

**COPY FOR CONTINUING
APPLICATION**

DOCKET NO. 3239.1000-020

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

[] Supplemental (37 C.F.R. §1.67)

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 2 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Method and Apparatus for Electrospray-Augmented High Field Asymmetric Ion Mobility Spectrometry

the specification of which (check one)

[] is attached hereto.

[X] was filed on April 12, 2002 as United States Application

Number or PCT International Application No. 10/123.030

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119 or 365 of any foreign application(s) for patent or inventor's certificate, or of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
				YES	NO
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[]	[]	[]
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[]	[]	[]
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[]	[]	[]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole

or first inventor Raanan A. Miller

Inventor's Signature *Raanan Miller* Date 12/15/02

Residence 27 Intervale Road

Brookline, Massachusetts 02467

Citizenship USA

Mailing Address Same as Above

Full name of second joint

inventor, if any Erkinjon G. Nazarov

Inventor's Signature _____ Date _____

Residence 58 Emerson Gardens

Lexington, Massachusetts 02420

Citizenship UZBEKISTAN

Mailing Address Same as Above

Full name of second joint

inventor, if any Garv A. Eiceman

Inventor's Signature _____ Date _____

Residence 2020 Turrentine Drive

Las Cruces, New Mexico 88005

Citizenship USA

Mailing Address Same as Above

Full name of second joint

inventor, if any Evgeny Krvlov

Inventor's Signature _____ Date _____

Residence 1685 Cole Village

Las Cruces, New Mexico 88001

Citizenship RUSSIA

Mailing Address Same as Above

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_____	_____	_____	[]	[]	[]
_____	_____	_____	[]	[]	[]
_____	_____	_____	[]	[]	[]

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Full name of sole

or first inventor Raanan A. Miller

Inventor's Signature _____ Date _____

Residence 27 Intervale Road

Brookline, Massachusetts 02467

Citizenship USA

Mailing Address Same as Above

Full name of second joint

inventor, if any Erkinjon G. Nazarov

Inventor's Signature  Date 10/16/02

Residence 58 Emerson Gardens

Lexington, Massachusetts 02420

Citizenship UZBEKISTAN

Mailing Address Same as Above

Full name of second joint

inventor, if any Garv A. Eiceman

Inventor's Signature _____ Date _____

Residence 2020 Turrentine Drive

Las Cruces, New Mexico 88005

Citizenship USA

Mailing Address Same as Above

Full name of second joint

inventor, if any Evgeny Krylov

Inventor's Signature _____ Date _____

Residence 1685 Cole Village

Las Cruces, New Mexico 88001

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Inventor's Signature _____ Date _____

Residence 27 Intervale Road

Brookline, Massachusetts 02467

Citizenship USA

Mailing Address Same as Above

Full name of second joint

inventor, if any Erkinjon G. Nazarov

Inventor's Signature _____ Date _____

Residence 58 Emerson Gardens

Lexington, Massachusetts 02420

Citizenship UZBEKISTAN

Mailing Address Same as Above

Full name of second joint

inventor, if any Gary A. Eiceman

Inventor's Signature  _____ Date Nov 5, 2002

Residence 2020 Turrentine Drive

Las Cruces, New Mexico 88005

Citizenship USA

Mailing Address Same as Above

Full name of second joint

inventor, if any Evgeny Krylov

Inventor's Signature  _____ Date 11/05/02

Residence 1685 Cole Village

Las Cruces, New Mexico 88001

Citizenship RUSSIA

Mailing Address Same as Above

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT AND CORRESPONDENCE ADDRESS	<i>Application Number</i>	10/123,030
	<i>Filing Date</i>	April 12, 2002
	<i>First Named Inventor</i>	Raanan A. Miller
	<i>Confirmation Number</i>	2772
	<i>Group Art Unit</i>	2881
	<i>Examiner Name</i>	Not Yet Assigned
	<i>Attorney Docket Number</i>	3239.1000-020
<i>Title</i>	Method and Apparatus for Electrospray-Augmented High Field Asymmetric Ion Mobility Spectrometry	

I/We hereby appoint

☒ the attorneys/agents associated with **Customer No. 021005**☐ Practitioner(s) named below:

as my/our attorneys/agents to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

The correspondence address for the above-identified application is:

☒ Customer Number 021005

Hamilton, Brook, Smith & Reynolds, P.C.

530 Virginia Road

P.O. Box 9133

Concord, Massachusetts 01742-9133

☐ Other

Please direct all telephone calls and facsimiles to:

Name David J. Thibodeau, Jr. Tel. No. 978-341-0036 Fax No. 978-341-0136

I am the:

☐ Applicant/Inventor.☒ Authorized representative of the Assignee, The Charles Stark Draper Laboratory, Inc., of the entire interest. See 37 C.F.R. 3.71. A Statement under 37 C.F.R. §3.73(b) is enclosed.☐ Authorized representative of the Assignee, [], together with [], of the entire interest. A separate Statement under 37 C.F.R. § 3.73(b) is enclosed.**SIGNATURE of Applicant or Assignee of Record**Name & Title Joseph M. Wolfe, Vice President and TreasurerSignature Date JUL 15 2003

COPY

Docket No. 3239.1000-020

STATEMENT UNDER 37 C.F.R. § 3.73(b)

Applicant(s): Raanan A. Miller, Erkinjon G. Nazarov, Gary A. Eiceman and Evgeny Krylov

Application No.: 10/123,030 Filed: April 12, 2002

For: Method and Apparatus for Electrospray-Augmented High Field Asymmetric Ion Mobility Spectrometry

The Charles Stark Draper Laboratory, Inc., a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A. ☒ the assignee of the entire right, title and interest in the patent application identified above; or
- B. ☐ an assignee together with ☐ of the entire right, title and interest in the patent application identified above. A separate Statement under 37 CFR § 3.73(b) is being submitted.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignments were recorded in the Patent and Trademark Office at Reel 013468, Frame 0397-0402, and at Reel 013510, Frame 0052-0067 or a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: JUL 15 2003

Name: Joseph M. Wolfe

Title: Vice President and Treasurer

Signature: 

JointASSIGNMENT

WHEREAS, we, **Raanan A. Miller, Erkinjon G. Nazarov, Gary A. Eiceman, and Evgeny Krylov**, have invented a certain improvement in **METHOD AND APPARATUS FOR ELECTROSPRAY-AUGMENTED HIGH FIELD ASYMMETRIC ION MOBILITY SPECTROMETRY** described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☒ was filed on **April 12, 2002** as Application No. **10/123,030**;
- ☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **The Charles Stark Draper Laboratory, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **555 Technology Square, Cambridge, Massachusetts 02139-3563** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving

of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor Raanan A. Miller Date 1/28/2003
Raanan A. Miller

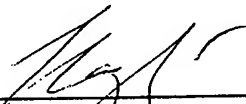
Address 27 INTERVAL RD
CHESTNUT HILL, MA 02467

Witness [Signature]

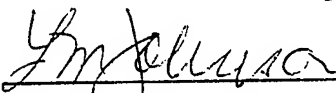
Address 44 Elm St
Scituate MA 02061


Witness [Signature]

Address 244 Grove St.
Newton MA 02466

Inventor  Date 01/28/03
Erkinjon G. Nazarov

Address 58 Emerson Gardens Rd
Lexington, MA, 02420.

Witness 
Address 44 Elm St
Scituate MA 02066

Witness 
Address 244 Grove St
Newton MA 02466

Inventor _____ Date _____

Gary A. Eiceman

Address _____

Witness _____

Address _____

Witness _____

Address _____

Inventor _____ Date _____

Evgeny Krylov

Address _____

Witness _____

Address _____

Witness _____

Address _____

JointASSIGNMENT

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- ☒ was filed on **April 12, 2002** as Application No. **10/123,030**;
- ☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **The Charles Stark Draper Laboratory, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **555 Technology Square, Cambridge, Massachusetts 02139-3563** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving

of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor _____ Date _____
Raanan A. Miller

Address _____

Witness _____

Address _____

Witness _____

Address _____

Inventor _____ Date _____

Erkinjon G. Nazarov

Address _____

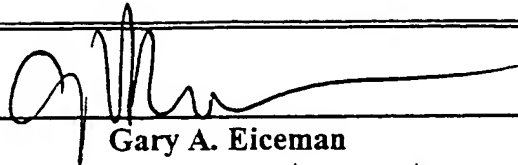
Witness _____

Address _____

Witness _____

Address _____

Inventor



Gary A. Eiceman

Date

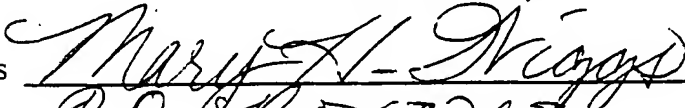
Dec 3, 2002

Address

2020 Furrerter Dr

Las Cruces, NM 88005

Witness

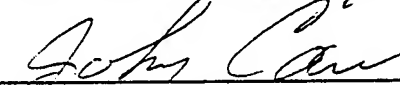


Address

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12035 AUSTIN DR.

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Inventor

Evgeny Krylov

Evgeny Krylov

Date

12/3/2

Address

Witness

Address

Witness

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